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## NOTICE OF ALLOWANCE AND FEE(S) DUE

52925	

7590

08/11/2008

HAMRE, SCHUMANN, MUELLER & LARSON, P.C. P.O. BOX 2902 MINNEAPOLIS, MN 55402-0902 EXAMINER

LAM, CATHY FONG FONG

ART UNIT PAPER NUMBER

1794 DATE MAILED: 08/11/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/580,157	05/19/2006	Hitoshi Kobayashi	10921.405USWO	7990

TITLE OF INVENTION: CIRCUIT BOARD

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	11/12/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

### PART B - FEE(S) TRANSMITTAL

### Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

appropriate. All further indicated unless correcte maintenance fee notifical	correspondence including below or directed off tions.	ng the Patent, advance on nerwise in Block 1, by (a	rders and notification a) specifying a new co	of m	naintenance fees wi pondence address; a	ll be i and/or	mailed to the current (b) indicating a sepa	corr	espondence address as "FEE ADDRESS" for
CURRENT CORRESPONDI	ENCE ADDRESS (Note: Use Bl	ock 1 for any change of address)		Fee(s	s) Transmittal. This rs. Each additional	certifi paper,	icate cannot be used f	or an	mestic mailings of the y other accompanying formal drawing, must
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									(Depositor's name)
									(Signature)
									(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVEN	TOR		ATTOI	RNEY DOCKET NO.	CC	ONFIRMATION NO.
10/580,157	05/19/2006	•	Hitoshi Kobayash	i	•	10	921.405USWO		7990
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	SMALL ENTITY			UE		FEE	TOTAL FEE(S) DUE		
nonprovisional	NO	\$1440	\$300		\$0		\$1740		11/12/2008
EXAM	INER	ART UNIT	CLASS-SUBCLASS	5					
LAM, CATHY		1794	257-773000						
<ul> <li>1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).</li> <li>□ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.</li> <li>□ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.</li> </ul>			or agents OR, alter (2) the name of a seregistered attorney	f a single firm (having as a member a ring or agent) and the names of up to tent attorneys or agents. If no name is					
PLEASE NOTE: Unl	ess an assignee is ident h in 37 CFR 3.11. Comp	A TO BE PRINTED ON The ified below, no assignee oletion of this form is NO	data will appear on th	he pa g an a	tent. If an assigned assignment.			ocum	ent has been filed for
Please check the appropri	iate assignee category or	categories (will not be pr	rinted on the patent):		Individual 🖵 Cor	porati	on or other private gro	oup e	ntity Government
'	are submitted: To small entity discount p	permitted)	b. Payment of Fee(s): (     A check is enclos     Payment by credi     The Director is he overpayment, to I	ed. t card	d. Form PTO-2038	is atta	ched.	ficie	
5. Change in Entity Stat	<b>tus</b> (from status indicated s SMALL ENTITY statu		□ b Applicant is no	lone	sor claiming SMALI	ENT	TITY status. See 37 Cl	□D 1	27(a)(2)
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Authorized Signature					Date				
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This collection of inform an application. Confident submitting the completed his form and/or suggesti Box 1450, Alexandria, V Alexandria. Virginia 223	tiality is governed by 35 I application form to the ons for reducing this bu Tirginia 22313-1450. DC	CFR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to th O NOT SEND FEES OR (	on is required to obtain 1.14. This collection i depending upon the i e Chief Information O COMPLETED FORM	or restindivi	etain a benefit by the mated to take 12 m idual case. Any con r, U.S. Patent and T D THIS ADDRESS.	e publ inutes nment radem SENI	ic which is to file (and to complete, including s on the amount of tile ark Office, U.S. Departory of TO: Commissioner	d by to gate the year time artime for P	he USPTO to process) hering, preparing, and ou require to complete ent of Commerce, P.O. atents, P.O. Box 1450,

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P.O. BOX 2902			ART UNIT	PAPER NUMBER	
MINNEAPOLIS, I	MINNEAPOLIS, MN 55402-0902		1794		
		DATE MAILED: 08/11/2008			

### **Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)**

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 74 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 74 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Intoniou Summan	10/580,157	KOBAYASHI ET AL.		
Interview Summary	Examiner	Art Unit		
	Cathy Lam	1794		
All participants (applicant, applicant's representative, PTO	personnel):			
(1) <u>Cathy Lam</u> .	(3)			
(2) <u>Atty: Douglas Mueller</u> .	(4)			
Date of Interview: 01 August 2008.				
Type: a)⊠ Telephonic b)⊡ Video Conference c)⊡ Personal [copy given to: 1)⊡ applicant 2	2)⊠ applicant's representative	e]		
Exhibit shown or demonstration conducted: d) Yes If Yes, brief description:	e)□ No.			
Claim(s) discussed:				
Identification of prior art discussed:				
Agreement with respect to the claims f)⊠ was reached. g	ı)	J/A.		
reached, or any other comments: the amendment to the sechanged to solder  (A fuller description, if necessary, and a copy of the amendallowable, if available, must be attached. Also, where no callowable is available, a summary thereof must be attached. THE FORMAL WRITTEN REPLY TO THE LAST OFFICE A INTERVIEW. (See MPEP Section 713.04). If a reply to the GIVEN A NON-EXTENDABLE PERIOD OF THE LONGER INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERLE A STATEMENT OF THE SUBSTANCE OF THE INTERQUIREMENTS on reverse side or on attached sheet.	Iments which the examiner ag opy of the amendments that w d.) ACTION MUST INCLUDE THE Last Office action has already OF ONE MONTH OR THIRTY ERVIEW SUMMARY FORM,	reed would rend yould render the SUBSTANCE ( been filed, APP Y DAYS FROM T WHICHEVER IS	er the claims claims OF THE LICANT IS THIS LATER, TO	
Examiner Note: You must sign this form unless it is an	Examiner's signature, if requi	red		

Application No.

Applicant(s)